Supply pressure sensors

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1 General

In case of repair, replace the complete supply pressure sensors.

The supply pressure sensors are mounted on the HPS valves (mixer).

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2 Testing the supply pressure sensors

Test the supply pressure sensors O2 and AIR using the “external service mode with personal computer”.

3 Replacing the supply pressure sensors

The description “Replacing the supply pressure sensor (O2)” is similar to the description of the supply pressure sensor (AIR), see section 3.1 Replacing the supply pressure sensor “AIR”.

3.1 Replacing the supply pressure sensor “AIR”

1 Switch off the device.

2 Unplug the power plug of the device from the socket-outlet.

3 Disconnect the compressed-gas connectors of the device from the compressed-gas supply terminals.

4 Fold up the electronic assembly, see chapter “Opening the device”.

Electrostatic discharge may damage electrostatic sensitive devices. When handling electrostatic sensitive devices, use a static-dissipative mat and a static dissipative wrist strap.

5 Create ESD conditions.

6 Remove the cover of the supply pressure sensor (AIR (Fig. 1/1).

7 Disconnect the connector of the supply pressure sensor (AIR).

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8 Remove the screws (Fig. 1/2) of the cover (Fig. 1/3) and put the cover aside.

9 Remove the screws (Fig. 1/4).

10 Remove the faulty supply pressure sensor (AIR), see Fig. 1/5.

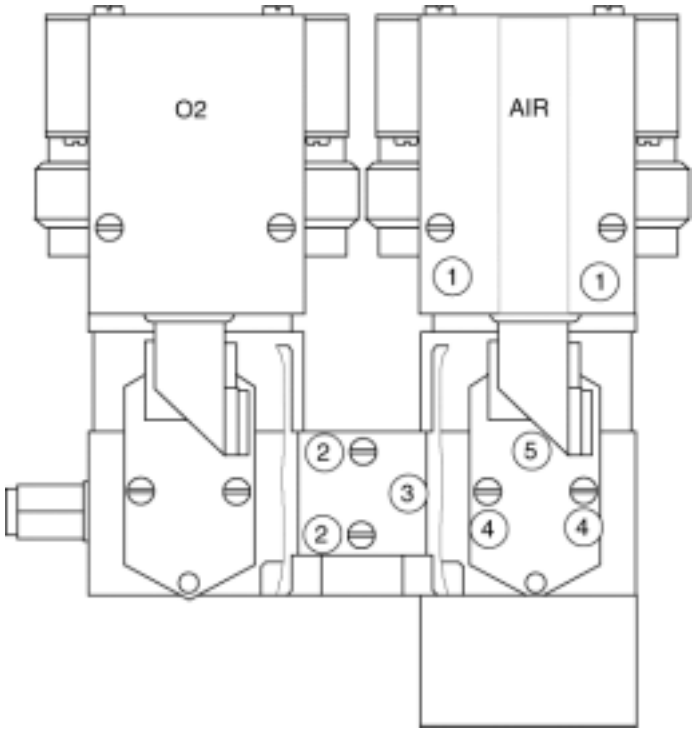

Fig. 1 HPS valves with supply pressure sensors

11 Secure the new supply pressure sensor (AIR) (Fig. 1/5) to the HPS valves (mixer) using the screws (Fig. 1/4).

12 Secure the cover (Fig. 1/3) to the HPS valves (mixer) using the screws (Fig. 1/2).

13 Fold down the electronic assembly and secure it to the housing using the screws.

14 Plug the power plug of the device into the socket-outlet.

15 Switch the device on.

16 Perform “electrical safety tests” and “function tests” as described in the PMS procedure. For the USA and Canada: test according to CAN/CSA-22.2 No. 601.1-M90.